

1639

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## RAW SEQUENCE LISTING

DATE: 11/22/2002

PATENT APPLICATION: US/09/482,585A

TIME: 11:03:51

Input Set : N:\CrF4\11182002\I482585.raw

Output Set: N:\CRF4\11222002\I482585A.raw

```

1 <110> APPLICANT: Hangauer Jr., David G.
2      Marsilje, Thomas H.
3      Milkiewicz, Karen L.
4 <120> TITLE OF INVENTION: A NOVEL METHOD FOR DESIGNING PROTEIN KINASE INHIBITORS
5 <130> FILE REFERENCE: 19226/931
6 <140> CURRENT APPLICATION NUMBER: US/09/482,585A
7 <141> CURRENT FILING DATE: 2000-01-13
8 <150> PRIOR APPLICATION NUMBER: 60/115,643
9 <151> PRIOR FILING DATE: 1999-01-13
10 <160> NUMBER OF SEQ ID NOS: 7
11 <170> SOFTWARE: PatentIn Ver. 2.1
13 <210> SEQ ID NO: 1
14 <211> LENGTH: 5
15 <212> TYPE: PRT
16 <213> ORGANISM: Artificial Sequence
17 <220> FEATURE:
18 <223> OTHER INFORMATION: Description of Artificial Sequence: src substrate
19      pentapeptide
20 <400> SEQUENCE: 1
21      Ile Tyr Gly Glu Phe
22          1           5
24 <210> SEQ ID NO: 2
25 <211> LENGTH: 5
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <221> NAME/KEY: PEPTIDE
30 <222> LOCATION: (2)
31 <223> OTHER INFORMATION: Xaa in position 2 is modified Tyr.
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Description of Artificial Sequence: src
34      pentapeptide scaffold
35 <400> SEQUENCE: 2
W--> 36      Ile Xaa Gly Glu Phe
37          1           5
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 5
41 <212> TYPE: PRT
42 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <221> NAME/KEY: PEPTIDE
45 <222> LOCATION: (4)
46 <223> OTHER INFORMATION: Xaa in position 4 is modified Ala.

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47 <220> FEATURE:
48 <223> OTHER INFORMATION: Description of Artificial Sequence: PKA
49     pentapeptide scaffold
50 <400> SEQUENCE: 3
W--> 51     Arg Arg Gly Xaa Ile
52         1             5
54 <210> SEQ ID NO: 4
55 <211> LENGTH: 5
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <221> NAME/KEY: PEPTIDE
60 <222> LOCATION: (4)
61 <223> OTHER INFORMATION: Xaa in position 4 is Ala or modified Ala.
62 <220> FEATURE:
63 <223> OTHER INFORMATION: Description of Artificial Sequence: Boronic
64     acid-containing PKA inhibitor
65 <400> SEQUENCE: 4
W--> 66     Arg Arg Gly Xaa Ile
67         1             5
69 <210> SEQ ID NO: 5
70 <211> LENGTH: 7
71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Kemptamide
75 <400> SEQUENCE: 5
76     Leu Arg Arg Ala Ser Leu Gly
77         1             5
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 7
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <221> NAME/KEY: MOD_RES
85 <222> LOCATION: (5)
86 <223> OTHER INFORMATION: Xaa in position 5 is ALA; PHOSPHORYLATION
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of Artificial Sequence: Phosphorylated
89     Kemptamide
90 <400> SEQUENCE: 6
W--> 91     Leu Arg Arg Ala Xaa Leu Gly
92         1             5
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95 <211> LENGTH: 7
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide

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**RAW SEQUENCE LISTING**

DATE: 11/22/2002

PATENT APPLICATION: US/09/482,585A

TIME: 11:03:52

Input Set : N:\Crf4\11182002\I482585.raw

Output Set: N:\CRF4\11222002\I482585A.raw

100        substrate for Src  
101 <400> SEQUENCE: 7  
102        Gly Ile Tyr Trp His His Tyr  
103           1                           5

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 11/22/2002  
PATENT APPLICATION: US/09/482,585A      TIME: 11:03:53

Input Set : N:\Crf4\11182002\I482585.raw  
Output Set: N:\CRF4\11222002\I482585A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 2  
Seq#:3; Xaa Pos. 4  
Seq#:4; Xaa Pos. 4  
Seq#:6; Xaa Pos. 5

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 4

**VERIFICATION SUMMARY**

DATE: 11/22/2002

PATENT APPLICATION: US/09/482,585A

TIME: 11:03:53

Input Set : N:\Crf4\11182002\I482585.raw

Output Set: N:\CRF4\11222002\I482585A.raw

L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0